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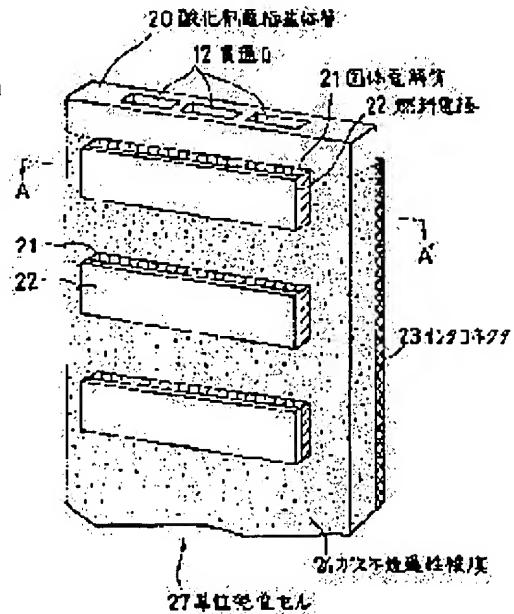
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(54) HOLLOW THIN PLATE TYPE SOLID ELECTROLYTIC FUEL CELL

(57)Abstract:

PURPOSE: To allow an increase in size and output of a solid electrolytic fuel cell.

CONSTITUTION: An oxidizing agent electrode is formed of a thin plate-like base body pipe 20 having through holes 12, a solid electrolyte 21 and a fuel electrode 22 are formed on one side thereof, and an interconnector 23 is formed on the opposite side to form a unit generating cell 27. The size of electrode plate can be thus performed, and output density is enhanced. Further, internal resistance is minimized by making the generated current flow vertically through the thin plate-like electrode. The thin plate form of the unit generating cell 27 allows the formation of a generating module by lamination, and the base body pipe 20 works as the support body of the generating cell at the time of the lamination, whereby mechanical strength is enhanced, and laminating number is increased. Thus, an increase in output and size can be realized.



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